

IN THE SPECIFICATION:

Please amend the appropriate paragraphs of specification in accordance with proposed changes as outlined hereinbelow:

Please amend page 18, first full paragraph between lines 9-14, as follows:

When the magnetization by the irradiation of the infrared beam is insufficient, the nanoparticles may be further ordered by ~~conducting~~ conducting a heat treatment at a temperature of up to 300°C for an arbitrary period after the step of binding the organic compound by the ultraviolet irradiation.

Please amend page 11, full paragraph between lines 13-16, as follows:

Fig. 11A - 11B are a side view and a perspective view showing [[a]] an optically assisted magnetic read/write processes by using a head system comprising separate read and write heads.

Please amend the paragraph between page 15, line 19 and page 16, line 22, as follows:

The nanoparticles in the thus formed nanoparticle layer have cubic crystal fcc structure, and the nanoparticles are scarcely magnetized. Therefore, crystallographic structure of the nanoparticles needs to be converted to L10 ordered structure for magnetization. Referring to Figures 7A -7D, when the nanoparticle layer is irradiated with an infrared beam 9, the infrared beam is absorbed by the nanoparticles comprising a metal element 1 and turns into heat which causes partial change in crystallographic structure of the nanoparticles. The infrared beam 9 is well absorbed by the nanoparticles comprising a metal element 1 while it is less likely to be absorbed by the organic compound 2 or the crosslinking agent coating the nanoparticles, and therefore, the crystallographic structure of the nanoparticles can be converted from the cubic crystal fcc to L10 ordered structure for magnetization 20 of the nanoparticles without changing the quality of the organic compound 2 between the nanoparticles by adjusting the intensity and irradiation time of the infrared beam. Degree of the conversion of the nanoparticles from the cubic crystal fcc to the L10 ordered structure can be controlled by means of the infrared beam irradiated in this procedure. Conversion to the ordered structure can be ~~proceeded~~ proceed to the level of 100% for further magnetization and ferromagnetism by increasing the intensity or the irradiation time of the infrared beam. The infrared beam used may preferably have a long wavelength of 600 nm or longer, and an infrared laser beam may be used for the infrared beam.